

IN THE ABSTRACT

Insert the following abstract:

A Viterbi decoder for decoding convolution-coded data blocks has a memory region (314) used for the decision matrix. This memory region is too small to hold all of the decisions for one data block. Instead, the decision matrix is repopulated for different sections of the data block during the decoding process. When a list Viterbi algorithm is employed, the modified tracebacks can be limited to data block sections containing bad decisions and preceding sections.